

# *Climate Change Fuel Cell Program*

## *1 Year Evaluation Form*

### *General Information*

<i>Contract Number</i>	<i>Applicant Name</i> <i>Sun Chemical</i>	<i>Fuel Cell Type</i> <i>Natural Gas</i>	<i>Manufacturer</i> <i>ONSI</i>
<i>Amount of the Award</i>	<i>Building Application</i>	<i>Thermal Application</i>	<i>kWSize</i> <i>200kWh</i>
<i>Thermal Utilization</i> 20 to 30%	<i>Grid Independent?</i> 1	<i>Number of Units</i> 2	

### *Energy Savings ( for year 2000)*

<i>Electrical Savings</i> \$189,862	<i>Thermal Savings</i> approx. \$20 to 30,000	<i>Natural Gas Cost (if applicable)</i> \$5.00 per DTH
<i>Savings - Natural Gas</i>		

### *Contract Point of Contact Information*

<i>Contract POC Name</i>	<i>Address</i>	<i>City</i>	<i>State/Country</i>	<i>Zip</i>
<i>Phone Number</i>	<i>Email</i>			

### *Site Information*

<i>Site Name/Owner</i> <i>Sun Chemical</i>	<i>Address</i> <i>441 Tompkins Ave.</i>	<i>City</i> <i>Staten Island</i>	<i>State/Country</i> <i>New York/USA</i>	<i>Zip</i> <i>10305</i>
<i>Site POC/Manager</i> <i>George Anastos</i>	<i>Site POC Phone Number</i> <i>718-981-1600 xt. 284</i>		<i>Site POC Email</i> <i>anastosg@sunchem.com</i>	

### *Performance Information ( Aug to Dec. 2000)*

<i>Estimated Install/Acceptance Test Date</i>	<i>Operating Hours</i> 7,820	<i>MWHRs</i> 1,218	<i>Average kW</i> 150 / 160
<i>Electrical Efficiency</i>	<i>Availability</i> 96.3 % / 99 %	<i>Length of Assessment</i> 5 Months	
<i>Mean Time Between Forced Outages</i>			

*Please Send the Following Items to [Kimberly.Kuster-Smith@erdc.usace.army.mil](mailto:Kimberly.Kuster-Smith@erdc.usace.army.mil)*

*Site Description(5-15 sentences) This facility manufactures Organic Pigments. Two PC25C model units were installed on site in 1996. They provide between 40 and 50% of the power consumed by the plant. Waste heat is utilized to pre heat boiler feed water and the process hot water system. We are a batch type of manufacturing plant. Therefore, our loads are variable. As a result, waste heat is not fully utilized.*

*In August of 2000, we entered a service agreement with ONSI and as a result, up time has significantly improved.*

*Pictures*

*Fuel Cell Dedication Date*

*Tuesday, April 03, 2001*